Party A Exhibit *10-8*

Official Gazette for Kokai Patent Applications, Front Page

(11) Publication no.: Unexamined Patent Application Publication No. H06-089636
(43) Disclosure date: March 29, 1994

(51) Int. Cl.[5] H01H 25/00

(21) Application no.: Patent Application No. H04-240532
(22) Application date: September 9, 1992

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(54) Rotary-Type Encoder with Push Switch

(57) [Abstract]

[Purpose] Relates to a rotary-type encoder with push switch used in a remotely controlled device, etc., such as a video tape recorder, for setting or operating various modes; and aims at providing a small (particularly in the height dimension), lightweight, and inexpensive rotary-type encoder with a push switch.

[Constitution] A contact plate 22 in which each contact is printed and burned on a heat-resistant resin film is bonded to a molded resin substrate to form a fixed contact substrate 21. The elastic sliding contact 23 of a rotary-type encoder part is directly mounted on an operation knob 30. A push switch part, also, is of a system for directly pushing a diaphragm-type, elastic moving contact 35 mounted on the fixed contact substrate 21, by means of an operating button 37. This enables a small and lightweight rotary-type encoder with push switch.

21	Fixed contact substrate	28	Elastic leg with external catch
22	Contact plate made of heat-resistant resin film	29	Elastic leg with internal catch
23	Arc-shaped fixed contact for encoder	30	Annular knob
24	Fixed contact for push switch	31	Elastic sliding contact
25	Terminal part for external connection	33	Torsion coil spring
		35	Diaphragm-type, elastic moving contact
		37	Operation button
		39	Compression spring